PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference m80532763:RHM:SJI:jmeg	**FOR FURTHER ACTION**	See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416).
International Application No. **PCT/AU2003/000900**	International Filing Date *(day/month/year)* 11 July 2003	Priority Date *(day/month/year)* 11 July 2002

International Patent Classification (IPC) or national classification and IPC

Int. Cl.[7] G06F 17/60

Applicant

WEBND TECHNOLOGIES PTY LTD et al

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.

2. This REPORT consists of a total of 3 sheets, including this cover sheet.

   [X] This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

   These annexes consist of a total of **2** sheet(s).

3. This report contains indications relating to the following items:

   - I [X] Basis of the report
   - II [ ] Priority
   - III [ ] Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
   - IV [ ] Lack of unity of invention
   - V [X] Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
   - VI [ ] Certain documents cited
   - VII [ ] Certain defects in the international application
   - VIII [ ] Certain observations on the international application

Date of submission of the demand 9 February 2004	Date of completion of the report 17 November 2004
Name and mailing address of the IPEA/AU AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaustralia.gov.au Facsimile No. (02) 6285 3929	Authorized Officer **JOHN THOMSON** Telephone No. (02) 6283 2214

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.
PCT/AU2003/000900

I. Basis of the report

1. With regard to the elements of the international application:*

☐ the international application as originally filed.

☒ the description, pages **1-12,** as originally filed,
pages , filed with the demand,
pages , received on with the letter of

☒ the claims, pages **14,16,** as originally filed,
pages , as amended (together with any statement) under Article 19,
pages , filed with the demand,
page **13,** received with the letter of **11 October 2004**
page **15,** received with the letter of **8 November 2004**

☒ the drawings, sheets **1-8,** as originally filed,
pages , filed with the demand,
pages , received on with the letter of

☐ the sequence listing part of the description:
pages , as originally filed
pages , filed with the demand
pages , received on with the letter of

2. With regard to the **language,** all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.
These elements were available or furnished to this Authority in the following language which is:

☐ the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).

☐ the language of publication of the international application (under Rule 48.3(b)).

☐ the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2 and/or 55.3).

3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

4. ☐ The amendments have resulted in the cancellation of:

☐ the description, pages

☐ the claims, Nos.

☐ the drawings, sheets/fig.

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**

* *Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17).*

** *Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report*

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims 1-22	YES
	Claims	NO
Inventive step (IS)	Claims 1-22	YES
	Claims	NO
Industrial applicability (IA)	Claims 1-22	YES
	Claims	NO

2. Citations and explanations (Rule 70.7)

Claims 1-22 The closest prior art was found to be:

- Challenger J et al. "A publishing system for efficiently creating dynamic Web content" Proceedings IEEE Infocom 2000. Conference on computer communications. Nineteenth annual joint conference of the IEEE Computer and Communications Societies (Cat. No. 00CH37064). Pages 844-853 vol.2, XP002169782 2000, Piscataway, NJ, USA, IEEE, USA ISBN: 0-7803-5880-5
- EP 1172734 A (eGrail) 16 January 2002

No individual citation or obvious combination of citations discloses an electronic publication management system for publishing content to one or more electronically accessible sites, each site including at least one electronic page, the system comprising content database means for storing content objects, content management database means for storing a data structure identifying each page, the layout of content pools within each page and the layout of content elements within each page, wherein the data structure identifies the layout of nested content pools or content objects within each content pool, and page assembly means for generating completed electronic pages for each site using the stored data structure and stored content objects.

Claims 1 to 22 are novel and involve an inventive step. All claims are industrially applicable.

The claims defining the invention are as follows:

1. An electronic content publication management system for publishing content to one or more electronically accessible sites, each site including at least one electronic page, the system comprising

content database means for storing a plurality of content objects;

content management database means for storing a data structure identifying each electronic page, the layout of one or more content pools within each page and the layout of one or more content elements within each page, wherein the data structure identifies the layout of one or more nested content pools or content objects within each content pool; and

electronic page assembly means for generating one or more completed electronic pages for each site using the stored data structure and stored content objects.

2. An electronic content publication management system according to claim 1, wherein the data structure includes a plurality of tags each identifying separate electronic page, content pool or content object.

3. An electronic content publication management system according to claim 2, wherein each tag identifies the location of one or more content objects or one or more content pools.

4. An electronic content publication management system according to claim 3, wherein at least one content pool tag identifies one or more other tags.

5. An electronic content publication management system according to claim 4, wherein the one or more other tags each include an associated ranking of that tag within an associated content pool.

6. An electronic content publication management system according to claim

content to one or more electronically accessible sites, each site including at least one electronic page, the method including the steps of:

storing a plurality of content objects in content database means;

storing a data structure identifying each electronic page, the layout of one or more content pools within each page and the layout of one or more content elements within each page in content management database means, wherein the data structure identifies the layout of one or more nested content pools or content objects within each content pool; and

generating one or more completed electronic pages for each site using the stored data structure and stored content objects.

13. An electronic content publication management method according to claim 12, wherein the data structure includes a plurality of tags each identifying separate electronic page, content pool or content object.

14. An electronic content publication management method according to claim 13, wherein each tag identifies the location of one or more content objects or one or more content pools.

15. An electronic content publication management method according to claim 14, wherein at least one content pool tag identifies one or more other tags.

16. An electronic content publication management method according to claim15, wherein the one or more other tags each include an associated ranking of that tag within an associated content pool.

17. An electronic content publication management method according to claim 16, wherein one or more tags include display instructions for use in conjunction with the tag rankings to control the layout of content objects within the electronic page.